mc/043/019

Notice of Intention to Commence Large Mining Operations

Rule R647-4-104 Operator(s), Surface and Mineral Owners

1. Mine Name: Browns Canyon
2. Name of Applicant or Company: Mountain Valley Stone, Inc.
3. Permanent Address: PO Box 985
   2276 South Daniels Rd.
   Heber City, UT. 84032
4. Company Representative (or designated operator)
   Robert John Hicken
   President
   2276 South Daniels Rd. Heber, UT. 84032
   (435) 654-0120
   (435) 654-3337 Fax
5. Location of Operation:
   Summit County
   Township 1 South, Range 5 East Southwest ¼
   Section 20
6. Ownership of the Land surface: Private
   John Hut
   4316 South Adonis Drive
   Holladay, UT. 84124
7. Owner(s) of record of the minerals to be mined:
   Wright Garff Resources
   1675 N. Beck St.
   Salt Lake City, UT. 84116-1214
8. Have the above owner(s) been notified in writing? Yes
9. Does the operator have legal right to enter and conduct mining operations on the land covered by this notice? Yes

Rule R647-4-105 Maps, Drawing & Photographs

105.1 Base Map (Appendix #1)

a. Property boundaries of surface ownership of all lands which are to be affected by the mining operations.
b. Perennial, intermittent, or ephemeral streams, springs and other bodies of water; roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells or boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations;
c. Proposed route of access to the mining operations from nearest publicly maintained highway
d. Known areas which have been previously impacted by mining or exploration activities within the proposed land affected.
e. Areas proposed to be disturbed or reclaimed over the life of the project or other suitable time period.

105.2 Surface Facilities Map (Appendix #2)

a. Proposed surface facilities, including but not limited to: buildings, stationary mining/processing equipment, roads, utilities, power lines, proposed drainage control structures, and the location of topsoil storage areas, overburden/waste dumps, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes, and wastewater discharge treatment and containment facilities.
b. A border clearly outlining the extent of the surface area proposed to be affected by mining operations, and the number of acres proposed to be affected
c. The location of test borings, pits, or core holes.

105.3 Additional Maps Reclamation Treatments (Appendix #3)

a. Areas of the site to receive various reclamation treatments shaded, crosshatched or color-coded to identify which reclamation treatments will be applied. Areas would include: buildings, stationary mining/processing equipment, roads, utilities, proposed drainage improvements or reconstruction, and sediment control structures, topsoil storage areas, waste dumps, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes, ponds, and wastewater discharge, treatment and containment facilities, Reclamation treatments may include ripping, regarding, replacing soil, fertilizing, mulching, broadcast seeding, drill seeding, and hydro seeding.
b. A border clearly outlining the extent of the area to be reclaimed after mining, the number of acres disturbed, and the number of acres proposed to reclamation
c. Areas disturbed by this operation which are included in a request for a variance from the reclamation standards
d. Highwall which are proposed to remain steeper than 45 degrees and slopes which are proposed to remain steeper than 3 horizontal: 1 vertical.

Rule R647-4-106 Operation Plan

106.1 Minerals to be mined: Sandstone

106.2 Type of operation: Material is to be pulled off the high walls with a Track Hoe and moved to one of three areas via a Front End Loader. Landscape material is moved to one side and stock piled. Other material is taken to the Guillotine or the splitting area for flag production.
Equipment to be used:

1 Front end Loader
1 Fork lift/loader
2 Skid Steers
1 Tumbler machine
3 Track Hoes
2 Guillotines

106.3 Approximate Acreage

	Current	
Areas of actual mining,	9.04	acres
Areas overburden dumps	2.52	acres
Access/haul roads, storage areas:	2.6	acres
Proposed future mining:	11.84	acres
Total actual Five year Acreage	26	acres
Total actual Life of Mine Acreage	30.4	acres

106.4 Nature of material including waste rock/overburden and estimated tonnage

Waste material in the form of fines and rock is pulled off the high wall along with the usable sandstone. This overburden is made up of about 60% fines and 40% rock waste.

Thickness of overburden:	75 feet
Thickness of mineral deposit:	?? Ft
Estimated annual volume of overburden	40,000 cu. yds.
Estimated annual volume of tailings	n/a cu. yds.
Estimated annual volume of ore	10,000 Ton

106.5 Existing soil types, location of plant growth material

See Appendix #4
Appendix #5
Appendix #6

106.6 Plan for protecting and redepositing existing soils

Thickness of soil material to be salvaged and stockpiled:	6 inches
Area from which soil material can be salvaged: (show On map) See Appendix #2	16.75 acres
Volume of soil to be stockpiled:	As necessary

Soil will be scraped off from above the high wall prior to moving the wall, and also scraped off from in front of the overburden as it moves. As quarrying activities progress, current stockpiles will be amended with topsoil from the future mining activities areas. This soil will be bermed and stockpiled at the sides of the quarrying activities or in an area clear of the mining operation. Minimize stockpiles sides to a 2 to 1 slope for erosion control. Stockpiles will be seeded with a quick growing ground cover (i.e. yellow sweetclover, alfalfa, and orchard grass).

106.7 Existing vegetative communities to establish revegetation success

Vegetation

There are no wetlands within the proposed mining area.
To estimate vegetation on a nearby-undisturbed area, a total of 15 transects was used. The most frequently observed species was sagebrush. The only other species sampled in the shrub layer was serviceberry, bluebunch wheat grass, Kentucky blue grass, and Oregon grape. The average ground cover was 52%

Ground Cover Table:

Total Vegetation Cover < 1m	52
% Grass cover	46
% Herb cover	2
% Woody species cover in ground layer	4
% Litter	33
% Rock	15
% Bare ground	<1

106.8 Depth to groundwater, overburden material & geologic setting

Depth to ground water N/A

Description of the geology of the area / geologic cross section.
Appendix #4
Appendix #5

106.9 Location and size of ore and waste stockpiles, tailings and treatment ponds, and discharges. Appendix #2

Rule 647-4-107 Operation Practices

Describe measures taken to minimize hazards to public safety during mining operations regarding:

107.1 Public Safety and Welfare

Signs will be posted at the entrance of the operation stating that heavy equipment is in use and that blasting activities may periodically take place at the site.

Shafts and Tunnels: None will be created.

Disposal of Trash: Trash and other manmade waste material will be hauled to the proper landfill.

Plugging or capping of drill, core or other exploratory holes: None will be created.

Posting of appropriate warning signs: All proper warning signs will be maintained in and around the explosive shed, the fuel tanks, and stationary equipment.

Construction of berms, fences or barriers: Berms will be maintained in areas they are required, along roadway and top edge of overburden dumping site.

Describe measures taken to avoid or minimize environmental damages to natural drainage channels, which will be affected by this mining operation. Drainage channels are not located in the proposed mining area.

Identify any potentially deleterious materials that may be stored on site and describe how they will be handled and stored.

We will have gasoline and diesel fuel on site and also a small amount of motor oil for use in the Loader, Backhoe, and skid steers. The oil will be stored in its original containers and keep on a shelf in the scale and office area. The gasoline and diesel will be stored in two mobile above ground tanks with required catch tubs under each tank.

The smaller fuel tank is located in a cattle trough adequate to contain 110% of the total tank contents.

The diesel fuel tank is mounted upon an earth berm, lined with visquene and back filled with gravel. Sufficient area has been provided to maintain at least 110 % of the total tank contents.

We have a Powder Magazine on site that is located off the access road in marked location. (See Appendix #2)

Describe the measures taken to salvage and store soils to be used in reclamation.

107.5 Suitable soils removed and stored

We will grade off topsoil above the high wall as it moves into the hill, and also the soil in front of the overburden as it moves out. This soil will be stockpiled and sloped at a 2 to 1 to minimize erosion and allowing overgrowth to grow to further help holding the soil in place. Seeding of top soil berms will also be used to further minimize erosion.

Describe any reclamation to be done during active mining operations prior to final closure.

As our mining progresses and it becomes evident that we have areas that will not be affected by further mining operations, this area will be reclaimed by replacement of topsoil and reseeding.

Rule R647-108 Hole Plugging Requirements

We will not have any holes drilled that will not eventually be consumed by the mining process.

Rule R647-109 Impact Statement

109.1 Surface and groundwater systems: Depth to ground water not known.

Our mining operation will not have as effect on any surface or groundwater systems. Depth to ground water not known.

109.2 Wildlife habitat and endangered species

The area we are mining is not a riparian or wetland area. As for wildlife and big game species, we are in an area where we pose no threat to wildlife or waterfowl.

109.3 Existing soil and plant resources

We are not a threat to any endangered plant species.

109.4 Slope stability, erosion control, air quality, public health & safety

Due to the remote location of our mining operation, we pose no threat to public safety. Visitors, customers, and maintenance personnel will be given site-specific hazard awareness training (Per MSHA regulations). Dust created during to summer months is kept in check by spraying down the area with a water truck. Slope stability is maintained because of our two-step method of pulling off the rocks.

Rule R647-4-110 RECLAMATION PLAN

110.1 Current land use and post mining land use

Current or premining land use was pasture and some grazing.
List future post-mine land use: pasture and grazing

110.2 Reclamation of roads, high walls, slopes, leach pads, dumps, etc.

Ripping the road surface with a dozer and leaving it in a rough state and reseeding will reclaim roads.

High walls will be worked to maintain a 45-degree slope and stair-stepped to insure safety and stability. The steps or benches will be backfilled with overburden material and topsoil using a loader. Concurrent reclamation will be taking place as the current quarrying activities migrate into new areas. Soils and overburden material will be distributed accordingly. All of which will be finished off with the requisite seed mixture.

Reclaiming impoundments, pits, and ponds. N/A

Reclaiming drainage. N/A

Describe how waste dumps will be reclaimed.
Waste dumps will be regarded to a 3h:1v configuration and reseeded.

Describe how shafts and adits will be reclaimed. N/A

Describe how drill holes will be reclaimed. N/A

Describe how tailings areas will be reclaimed. N/A

Describe how leach pads will be reclaimed. N/A

Any stockpiled materials that are on site at the time of final reclamation will be loaded on trucks and hauled to our stone yard in Heber, UT.

110.3 Surface facilities to be left.

At the time of final reclamation no surface facilities will remain. Buildings used at the mining site are portable and will be removed to other work sites, or sold, or destroyed. Roads will be ripped and reseeded. Trash and other manmade waste material will be hauled to the county landfill.

110.4 Treatment, location and disposition of deleterious materials

Several hydrocarbons are used in this operation. There is an above ground Gas tank and an above ground Diesel fuel tank located within a secondary containment unit for each. Other hydrocarbons on site usually include hydraulic oil, motor oil, tube grease and starting fluid, all of which are stored in the storage shed. No processing chemicals are used at this mining site. All of the tanks and cases of this material will be removed from the mining area at the end on reclamation.

110.5 Revegetation planting program and topsoil redistribution

Soil Material replacement: Topsoil from stockpiles will be scooped up during reclamation and spread on the surface of the quarry. Soil materials will be amended with compost. The mixture will be approximately 6" thick. Soil materials will be spread with a rubber tired front-end loader.

Seed bed preparation: The area of the quarry will be ripped to a depth of one foot with the ripper spacing at a maximum of two feet, and left in a very rough condition immediately prior to seeding. The compacted surfaces of the road way will be ripped to a depth of two feet and left in a very rough condition also.

Seed mixture will be that mix as approved by the DOGM of the State of Utah.

Species		Lbs./Acre
Wyoming big sagebrush	VNS	0.1
Rocky mountain penstemon	Bandera	1
Orchard Grass	Paiute	2

Yellow Sweetclover	VNS	1
Forage Kochia	Immigrant	1
Saskatoon Serviceberry	VNS	1
Alfalfa	Ladak	1
Intermediate Wheatgrass	Oahe	3
Antelope Bitterbrush	VNS	1
Small Burnet	Delar	1
Thickspike Wheatgrass	Critana	2
Bluebunch Wheatgrass	Secar	2
Basin Wildrye	Trailhead	1

Seed will be broadcast and raked into the soil in the fall of the year.

Fertilization if required will be composted steer manure. It is recommended that we use composted steer manure at the rate of 5 ton per acre with soil, (23.48 acres of current quarry activity and any future quarry activity). 10 tons per acre with the fines and overburden will be used to reclaim the remainder of the 2.52 acres of current operation. quarrying activities). Total current and future operations of the affected areas is 26 acres.

Other re-vegetation procedures: None

R647-4-111 – Reclamation Practices

111.5 Constructing berms/fences above highwall

If highwalls exist at the time of final reclamation, berms will be placed in these areas to warn the public of the hazard. As these berms are removed for reclamation, warning signs will be posted to alert personnel or visitors as to the highwall danger.

111.6 All slopes regarded to stable configuration.

To prevent erosion, all overburden slopes should be reduced to a 3h:1v slope or less at the time of final reclamation. Topsoil and manure mixture will be distributed at the same rate of that noted in R647-4-110.5.

RULE R647-4-113 SURETY

Surety amount established by addressing these major tasks:

1. Clean-up and removal of structures
2. Backfilling, grading and contouring
3. Soil material redistribution and stabilization
4. Revegetation (preparation, seeding, mulching.)
5. Safety gates, berms, barriers, signs, etc.
6. Demolition, removal or burial of facilities/structures, regrading/ripping of facilities areas.

6. Demolition, removal or burial of facilities/structures, regrading/ripping of facilities areas.
7. Regrading, ripping of waste dump tops and slopes
8. Regrading/ripping stockpiles, pads and other compacted areas.
9. Ripping pit floors and access roads.
10. Drainage reconstruction.
11. Mulching, fertilizing and seeding the affected areas.
12. General site clean up and removal of trash and debris.
13. Removal/disposal of hazardous materials.
14. Equipment mobilization.
15. Supervision during reclamation.

Cost estimate for reclamation is attached.

SIGNATURE REQUIREMENT

I hereby certify that the foregoing is true and correct.

Signature of Operator/Applicant: _____

Name (typed or print): ROBERT JOHN HICKEN

Title/Position: PRESIDENT

Date: 12-20-02

APPROV

JAN 24 2003

DIV. OIL GAS & M